

## Product Datasheet

### Collagen I Rabbit Polyclonal Antibody (orb182761)

<b>Catalog Number</b>	orb182761
<b>Category</b>	Antibodies
<b>Description</b>	Collagen I Rabbit Polyclonal Antibody
<b>Target</b>	COL1A1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted Reactivity</b>	Bovine, Canine, Gallus, Rabbit, Sheep
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Collagen I (1051-1150/1464aa)
<b>UniProt ID</b>	<b>P02452</b>
<b>MW</b>	130-200 kDa

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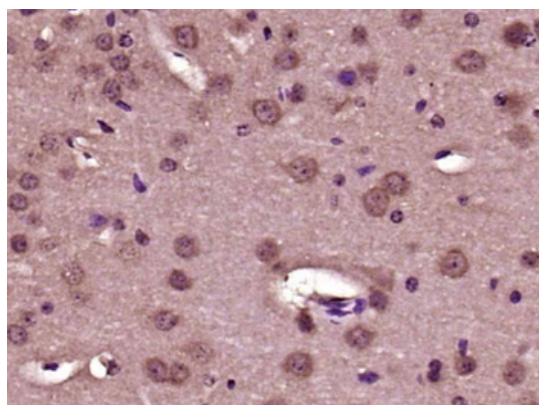
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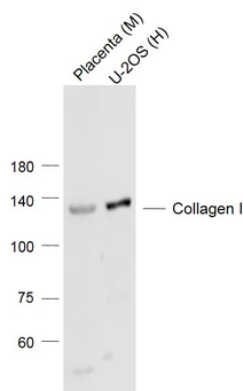
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<b>Tested applications</b>	FC, ICC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:500-1000, IHC-F=1:500-1000, ICC/IF=1:100-500, IF=1:500-1000, Flow-Cyt=1:50-100
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Collagen I) Polyclonal Antibody, Unconjugated (orb182761) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: Lane 1: Placenta (Mouse) Lysate at 40 ug, Lane 2: U-2OS (Human) Cell Lysate at 30 ug, Primary: Anti-Collagen I (orb182761) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 130 kD, Observed band size: 130 kD.

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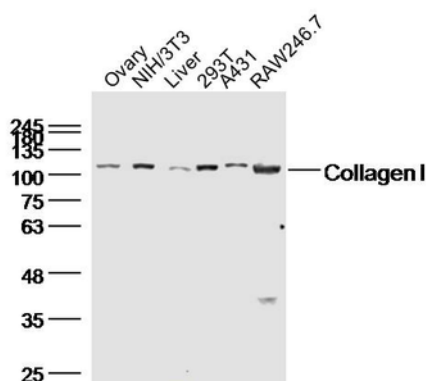
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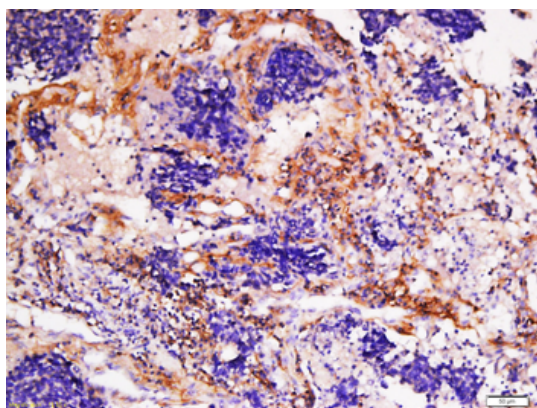
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Sample: Ovary (Mouse) Lysate at 40 ug, NIH/3T3 (Mouse) Cell Lysate at 40 ug, Liver (Rat) Lysate at 40 ug, 293T (human) Cell Lysate at 40 ug, A431 (human) Cell Lysate at 40 ug, RAW264.7 (Mouse) Cell Lysate at 40 ug, Primary: Anti-Collagen I (orb182761) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 130 kD, Observed band size: 110 kD.



Tissue/Cell: human lung carcinoma, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Collagen I Polyclonal Antibody, Unconjugated (orb182761) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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